| Inde | ex of | Clair | ms |
|------|-------|-------|----|
| | | | |

| Application No. | Applicant(s) |
|-----------------|----------------|
| 09/897,902 | HAYASHI ET AL. |
| Examiner | Art Unit |

Christopher E. Lee

2112

| √ | Rejected |
|----|----------|
| 11 | Allowed |

| _ | (Through numeral) Cancelled |
|---|--------------------------------|
| ÷ | Restricted |

| N | Non-Elected |
|---|--------------|
| _ | Interference |

| A | Appeal |
|---|----------|
| o | Objected |

| | _ | | | | _ | | | | | |
|----------|--|--|--|----------|--|--|--|--|--------------|---|
| Cla | | | _ | | _ [| ate | <u> </u> | | | _ |
| Final | Original | 1/21/04 | 10/25/04 | 2/11/05 | | | | | | |
| | | | | 1 | | | | \neg | | |
| | 1 2 3 4 5 6 | ファント | V | 1 | | | | | | |
| | 3 | V | 1 | - | | | | | | |
| | 4 | ٧ | 7 | - | | | | | | |
| | 5 | 1 | 7 | - | | | | | | |
| | 6 | V | 7 | 1 | | | | | | |
| | 7 | 1 | 1 | | L | | | | | |
| | 8 | 1 | 1 | Ŀ | _ | | | | | |
| | 9 | 1 | 1 | Ŀ | | | | | | Ш |
| | 10 | 1 | 1 | - | | | | | | Ш |
| | 11 | 1 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | - | <u> </u> | - | | | | $\vdash \vdash$ |
| | 12 | 1 | 1 | - | | \vdash | | | | \vdash |
| | 1.4 | 1 | V | - | \vdash | | | | | \vdash |
| | 14 | <u> </u> | ۳ | - | | | - | | | |
| | 16 | | | - | - | | | | | |
| | 17 | | | - | ├ | - | | | | |
| | 18 | - | | ┢ | | | | | | |
| | 19 | | - | \vdash | ┢ | - | | _ | | |
| | 20 | - | | | 一 | | | | | \vdash |
| | 21 | - | | | | | | | | |
| | 22 | - | 1 | T | 1 | | _ | | | |
| | 23 | | | | | | | | - | |
| | 24 | | | T | | | | | Г | |
| | 25 | | | | | | | | | |
| | 26 | | | | | | | | | |
| | 27 | | | | | | | | | |
| | 28 | L | L. | | | <u> </u> | | L | | |
| | 29 | L | | | ┖ | L | | L | | |
| | 30 | L_ | <u> </u> | <u> </u> | <u> </u> | L- | _ | | _ | |
| | 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 | | ļ | <u> </u> | ┡ | <u> </u> | | | | |
| | 32 | | - | - | ├ | <u> </u> | <u> </u> | <u> </u> | _ | <u> </u> |
| <u> </u> | 33 | - | - | ⊢ | - | - | <u> </u> | \vdash | <u> </u> | |
| <u> </u> | 34 | ├- | ├- | +- | - | - | \vdash | \vdash | | - |
| | 38 | - | \vdash | +- | - | - | - | - | - | - |
| | 36 37 | \vdash | \vdash | \vdash | +- | - | - | \vdash | \vdash | - |
| | 38 | - | \vdash | 1 | † | - | | | - | \vdash |
| | 39 | - | \vdash | - | | \vdash | | | - | |
| | 40 | t | \vdash | T | t | | | | T | |
| | 41 | Г | T | 1 | | \vdash | | | T | \vdash |
| | 42 | | Τ | | | | | Ι | Γ | T |
| | 43 | | | | | | | | | |
| | 44 | Π | | | | | | | | |
| | 45 | | | | | | | | | |
| | 46 | | | | | | | | | |
| | 47 | | | \Box | | | 匚 | | L | L |
| | 48 | \Box | | ļ | | | | | | |
| | 49 | | L | <u> </u> | | | _ | | _ | $oxedsymbol{oxedsymbol{oxedsymbol{eta}}}$ |
| 1 | 50 | 1 | 1 | 1 | 1 - | 1 | 1 | 1 | 1 | ! |

| Cla | im | Date | | | | | | | | | |
|-------|----------------|------|----------|------------|----------|----------|----------|----------|-----|---------------|--|
| | | | | | | | | | | | |
| m | Original | | | | | | | | | | |
| Final | .ig | • | | | ł | | - 1 | ł | - 1 | | |
| 4 | ŏΙ | | | | | | | | | | |
| | | | | | | | _ | _ | | | |
| | 51 | _ | | | | | | _ | | | |
| | 52 | | | | | | | | | _ | |
| | 52 53 | | | | | | | | | | |
| | 54 55 | | | | | | | | | | |
| | 55 | | | | | | | | | | |
| | 56 | | | | | | | | | | |
| | 57 58 | | | | | | | | | | |
| | 58 | | | | | | | | | \neg | |
| | 59 | - | | | | | | | | | |
| | 60 | | | | Т | | | | | \neg | |
| | 61 | _ | | _ | - | | | | | | |
| | 62 | - | _ | - | | | | | | $\overline{}$ | |
| | 63 | | _ | | | \vdash | | | | - | |
| | 64 | | _ | | - | - | - | _ | | _ | |
| | 65 | | - | | | \vdash | | - | | | |
| | 00 | | | | | | _ | | | | |
| | 66 | | | <u> </u> | <u> </u> | - | | | | | |
| | 67 | | _ | ┡ | | <u> </u> | | _ | | | |
| | 68 | | | | | | - | | | | |
| | 69 | | <u> </u> | | <u> </u> | <u> </u> | | | | | |
| | 70 | | <u> </u> | <u>L</u> . | | _ | | | | | |
| | 71 | | L | <u> </u> | _ | <u> </u> | L | | | | |
| | 71 72 73 | _ | | | <u> </u> | L | | | | | |
| | 73 | | <u> </u> | ļ | <u> </u> | <u> </u> | <u> </u> | | | | |
| ļ | 74 75 | | | <u> </u> | _ | _ | _ | | | _ | |
| | 75 | | | | L | _ | <u> </u> | | | | |
| | 76 77 | | | <u> </u> | <u></u> | <u> </u> | _ | _ | | | |
| | 77 | | | <u> </u> | <u> </u> | <u> </u> | <u>_</u> | <u> </u> | | | |
| | 78 | | | <u> </u> | ļ | | | | | | |
| | 79 | | | | | <u> </u> | | | | | |
| | 80 | | L | <u> </u> | <u> </u> | | | | | | |
| | 81 | | _ | | | <u> </u> | | | | | |
| | 82 83 | | | <u> </u> | <u> </u> | | | | | | |
| | 83 | | <u> </u> | | | | | | | | |
| | 84 | | | | | | | | | | |
| | 85 | | | | | | | | | | |
| | 86 | | | | | | | | | | |
| | 87 | | | Г | | | | | | | |
| | 87 88 | | | Π | | | | | | | |
| | 89 | | | | | | | | | | |
| | 90 | | | | | Ĺ | L | | L | \Box | |
| | 91 | | | | | Ĺ | | | 匚 | 匚 | |
| | 92 | | | | | | L | L | L | L | |
| | 93 | | | | | | | | | | |
| | 94 | | | | | | | \Box | | 匚 | |
| | 95 | | | Ĺ | Ĺ | L | | | | | |
| | 96 | | | | | | Ĺ | \Box | | | |
| | 97 | | | | | | | | · | | |
| | 98 | | | | L | | | Ĺ | | \Box | |
| | 99 | | | | | | | | | | |

| | | Ц | | | | | - | J | | | | |
|----------|--|--------------|--------------|--------------|----------|----------|--------------|----------|--------------|----------------|--|--|
| CI | aim_ | Date | | | | | | | | | | |
| | i i | | | | | -310 | | | П | \dashv | | |
| <u>ਰ</u> | Original | li | | 1 | | | | | | | | |
| Final | rigi | | | | İ | | | - 1 | | | | |
| - | 0 | | | | | | | | | | | |
| | 101 | | _ | | | | | \neg | | | | |
| | 101 102 | | | | | | | | | | | |
| | 103 | | | | | | | | | | | |
| | 103 104 | | | П | | | | | | | | |
| | 105 106 | | | | | | | | | | | |
| | 106 | | | | | | | | | | | |
| | 107 | | | | | | | | | | | |
| | 108 109 | | | | | | | | | | | |
| | 109 | | | | | | | | | | | |
| | 110 | | | | | | | | | | | |
| | 111 112 | | | | | | | | | | | |
| | 112 | | | | | | | | | | | |
| | 113 | | | | | | | | | | | |
| | 114 | | | | | | | | | | | |
| | 114 115 | | | | | | | | | | | |
| | 116 | | | | | | | | _ | | | |
| | 117 | | | | | | | | | | | |
| L | 118 | | | | | | | | <u> </u> | | | |
| | 119 | | | | | | | | | | | |
| | 120 | | | | | | | | | | | |
| L | 121 | | L | | | | | | L | | | |
| L | 122 | | | | | | | | | | | |
| | 119 120 121 122 123 124 125 126 | | | | | <u> </u> | | | | | | |
| <u></u> | 124 | | | | | | | <u> </u> | | L | | |
| | 125 | L | L | | _ | | | _ | L | L., | | |
| <u> </u> | 126 | _ | L_ | | | | | | _ | | | |
| <u> </u> | 127 128 129 | _ | _ | | | | _ | | <u>_</u> | Ĺ., | | |
| L | 128 | _ | L_ | | | | | | <u> </u> | | | |
| <u> </u> | 129 | _ | _ | | | | <u> </u> | | _ | | | |
| <u> </u> | 130 131 | <u> </u> | | | | <u>L</u> | <u> </u> | | _ | | | |
| | 131 | _ | ļ | _ | | | | | _ | | | |
| | 132 | L | L | | | | | | _ | | | |
| | 133 | | | | _ | | | | _ | <u> </u> | | |
| | 134 | | | | <u> </u> | | ļ | L | <u> </u> | <u> </u> | | |
| ļ | 135 | <u> </u> | _ | <u>L</u> | | | <u> </u> | <u></u> | <u> </u> | _ | | |
| | 136 | _ | <u> </u> | <u> </u> | | <u> </u> | _ | | L. | ļ | | |
| | 137 | <u> </u> | <u> </u> | _ | _ | | <u> </u> | <u> </u> | <u> </u> | _ | | |
| <u></u> | 138 | | | _ | _ | <u> </u> | <u> </u> | <u> </u> | L- | ļ | | |
| ļ | 139 | ऻ_ | \vdash | | | <u> </u> | <u> </u> | ļ | <u> </u> | <u> </u> | | |
| <u> </u> | 140 | ـ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | | l | <u> </u> | | |
| ļ | 141 | _ | _ | | _ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | |
| <u> </u> | 142 | - | <u> </u> | <u> </u> | | _ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | |
| <u></u> | 143 | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | _ | <u> </u> | <u> </u> | <u> </u> | | |
| <u></u> | 144 | ـ | 1_ | <u> </u> | _ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | |
| | 145 | 1 | _ | <u> </u> | <u> </u> | _ | <u> </u> | ļ | <u> </u> | <u> </u> | | |
| | 146 | ╀ | | <u> </u> | <u> </u> | _ | | <u> </u> | | - | | |
| | 147 | 1_ | \vdash | <u> </u> | - | <u> </u> | <u> </u> | <u> </u> | _ | <u> </u> | | |
| | 148 | | <u> </u> | 1 | - | | <u> </u> | | | | | |
| <u> </u> | 149 | ┞- | | <u> </u> | <u> </u> | <u> </u> | ₩ | _ | \vdash | <u> </u> | | |
| | 150 | 1 | | 1. | l | L_ | 1 | l_ | L. | 1 | | |